

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 55 | ((Goder near claud) or (thomas near hollerbach) or (juergen near kuehnert) or (eckhard near schroeder)).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/12 11:32 |
| L2 | 2876 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS. | USPAT; USOCR | OR | OFF | 2006/06/12 11:31 |
| L3 | 6565 | (438/22,29,31-35,42-44,57-87,795,796,798,799).CCLS. | USPAT; USOCR | OR | OFF | 2006/06/12 11:32 |
| L4 | 6 | 1 and 2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/12 11:32 |
| L5 | 0 | 1 and 3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/12 11:32 |
| L6 | 10 | ("4852567" "4929246" "5380318" "5507741" "5558666" "5755751" "5860967" "6102905" "6213998" "6235017").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/06/12 11:34 |
| L7 | 1 | ("6537270").URPN. | USPAT | OR | OFF | 2006/06/12 11:36 |
| L8 | 0 | ((apparatus device system) AND shap\$5 AND remov\$5 AND material AND surface AND pulse\$1 AND laser AND scan\$5 AND chang\$3 AND distribution AND intensit\$3 AND cross\$7 AND microoptic\$5 AND (bell gaussian)).clm. | US-PGPUB; USPAT | OR | ON | 2006/06/12 11:46 |
| L9 | 0 | ((apparatus device system) AND shap\$5 AND remov\$5 AND material AND surface AND pulse\$1 AND laser AND (scan\$5 mov\$5) AND chang\$3 AND distribution AND intensit\$3 AND cross\$7 AND microoptic\$5 AND (bell gaussian)).clm. | US-PGPUB; USPAT | OR | ON | 2006/06/12 11:47 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 4 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and microoptic\$4 | USPAT | OR | ON | 2003/01/31 15:02 |
| S2 | 170 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and (laser near3 (cross adj section\$1)) | USPAT | OR | ON | 2002/05/09 16:41 |
| S3 | 2 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and (bell adj shape\$2 WITH (cross adj section)) | USPAT | OR | ON | 2002/05/09 16:42 |
| S4 | 151 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and gaussian | USPAT | OR | ON | 2002/05/09 16:43 |
| S5 | 1 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and (bell adj shape\$2 WITH (cross adj section))) and (((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and gaussian) | USPAT | OR | ON | 2002/05/09 16:43 |
| S6 | 34 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and (laser near3 (cross adj section\$1))) and (((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and gaussian) | USPAT | OR | ON | 2002/05/09 16:43 |
| S7 | 1 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and (bell adj shape\$2 WITH (cross adj section))) and (((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and gaussian)) and (((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and (laser near3 (cross adj section\$1))) and (((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and gaussian)) | USPAT | OR | ON | 2002/05/09 16:49 |
| S8 | 2085 | surface near2 ablat\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/09 16:53 |
| S9 | 30 | ((Goder near claud) or (thomas near hollerbach) or (juergen near kuehnert) or (eckhard near schroeder)).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/12 11:30 |

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|-----|------|--|---|----|-----|------------------|
| S10 | 1 | ((Goder near claud) or (thomas near hollerbach) or (juergen near kuehnert) or (eckhard near schroeder)).in.) and (surface near2 ablat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/09 16:53 |
| S11 | 41 | ((((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and (laser near3 (cross adj section\$1))) and (surface near2 ablat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/09 17:00 |
| S12 | 1 | ("4838266").PN. | USPAT; USOCR | OR | OFF | 2002/05/10 10:49 |
| S13 | 2127 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS. | USPAT; USOCR | OR | OFF | 2002/05/10 10:56 |
| S14 | 50 | (LEsperance).in. | USPAT | OR | ON | 2002/05/10 11:00 |
| S15 | 24 | ((((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and (LEsperance).in.) | USPAT | OR | ON | 2002/05/10 11:01 |
| S16 | 3724 | marshall.in. | USPAT | OR | ON | 2002/05/10 11:01 |
| S17 | 6 | ((((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and marshall.in. | USPAT | OR | ON | 2002/05/13 11:46 |
| S18 | 2250 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS. | USPAT; USOCR | OR | OFF | 2003/01/31 15:02 |
| S19 | 4 | ((((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and microoptic\$4 | USPAT | OR | ON | 2003/01/31 15:05 |
| S20 | 4 | microoptic\$4 same (active same structure\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:19 |
| S21 | 36 | (microoptic\$4 microlense\$1) same (active same structure\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:23 |
| S22 | 0 | ((((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and (((microoptic\$4 microlense\$1) same (active same structure\$1)) not (microoptic\$4 same (active same structure\$1)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/01/31 15:09 |
| S23 | 32 | ((microoptic\$4 microlense\$1) same (active same structure\$1)) not (microoptic\$4 same (active same structure\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/01/31 15:09 |

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|-----|------|---|---|----|-----|------------------|
| S24 | 16 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and microlense\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/01/31 15:17 |
| S25 | 540 | (microoptic\$4 microlense\$1) same structure\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/01/31 15:37 |
| S26 | 4 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and ((microoptic\$4 microlense\$1) same structure\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/01/31 15:37 |
| S27 | 2491 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS. | USPAT; USOCR | OR | OFF | 2006/06/12 11:31 |
| S28 | 4896 | (438/22,29,31-35,42-44,57-87,795, 796,798,799).CCLS. | USPAT; USOCR | OR | OFF | 2006/06/12 11:31 |
| S29 | 6563 | micromachining | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:16 |
| S30 | 49 | ((438/22,29,31-35,42-44,57-87,795, 796,798,799).CCLS.) and micromachining | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:16 |
| S31 | 17 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and micromachining | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:16 |
| S32 | 41 | ((Goder near claud) or (thomas near hollerbach) or (juergen near kuehnert) or (eckhard near schroeder)).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:17 |
| S33 | 0 | ((438/22,29,31-35,42-44,57-87,795, 796,798,799).CCLS.) and (((Goder near claud) or (thomas near hollerbach) or (juergen near kuehnert) or (eckhard near schroeder)).in.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:17 |
| S34 | 0 | micromachining and (((Goder near claud) or (thomas near hollerbach) or (juergen near kuehnert) or (eckhard near schroeder)).in.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:17 |

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|-----|----|--|---|----|----|------------------|
| S35 | 5 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and (((Goder near claud) or (thomas near hollerbach) or (juergen near kuehnert) or (eckhard near schroeder)).in.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:17 |
| S36 | 6 | microoptic\$4 same (active same structure\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:19 |
| S37 | 0 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and (microoptic\$4 same (active same structure\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:19 |
| S38 | 1 | ((438/22,29,31-35,42-44,57-87,795,796,798,799).CCLS.) and (microoptic\$4 same (active same structure\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:22 |
| S39 | 0 | micromachining and (microoptic\$4 same (active same structure\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:22 |
| S40 | 0 | ((Goder near claud) or (thomas near hollerbach) or (juergen near kuehnert) or (eckhard near schroeder)).in.) and (microoptic\$4 same (active same structure\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:22 |
| S41 | 83 | (microoptic\$4 microlense\$1 (micro adj (lens\$1 optic\$1))) same (active same structure\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:24 |
| S42 | 2 | ((606/4-6,9,10-13,17,18) or (219/121.73-121.75)).CCLS.) and ((microoptic\$4 microlense\$1 (micro adj (lens\$1 optic\$1))) same (active same structure\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:28 |
| S43 | 4 | ((438/22,29,31-35,42-44,57-87,795,796,798,799).CCLS.) and ((microoptic\$4 microlense\$1 (micro adj (lens\$1 optic\$1))) same (active same structure\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:24 |

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|-----|----|---|---|----|-----|------------------|
| S44 | 2 | ((Goder near claud) or (thomas near hollerbach) or (juergen near kuehnert) or (eckhard near schroeder)).in.) and ((microoptic\$4 microlense\$1 (micro adj (lens\$1 optic\$1))) same (active same structure\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:28 |
| S45 | 10 | micromachining and ((microoptic\$4 microlense\$1 (micro adj (lens\$1 optic\$1))) same (active same structure\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/02/05 19:36 |
| S53 | 2 | (("6537270") or ("5463200")).PN. | USPAT | OR | OFF | 2005/08/15 17:31 |
| S54 | 3 | (("6537270") or ("5463200") or ("4911711")).PN. | USPAT | OR | OFF | 2005/08/15 17:32 |
| S55 | 34 | (US-4911711-\$ or US-4941093-\$ or US-5061342-\$ or US-5146917-\$ or US-5188631-\$ or US-5219343-\$ or US-5284477-\$ or US-5312320-\$ or US-5336216-\$ or US-5350374-\$ or US-5423801-\$ or US-5463200-\$ or US-5475197-\$ or US-5550373-\$ or US-5582752-\$ or US-5800424-\$ or US-5906608-\$ or US-6056739-\$ or US-6067312-\$ or US-6086204-\$ or US-6090100-\$ or US-6120725-\$ or US-6136012-\$ or US-6210401-\$ or US-6280435-\$ or US-6285001-\$). did. or (US-6302877-\$ or US-6312424-\$ or US-6331177-\$ or US-6537270-\$ or US-6623477-\$ or US-6671095-\$ or US-6682524-\$). did. or (US-4652092-\$ or US-5000751-\$ or WO-9920429-\$). did. | USPAT; EPO | OR | ON | 2005/08/15 17:57 |
| S56 | 11 | S55 and gaussian | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/15 17:57 |
| S57 | 2 | ("5087095").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 14:28 |
| S58 | 2 | ("5466248").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 14:28 |

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| S59 | 2 | ("4835400").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 14:29 |
| S60 | 14 | ((("4,835,400") or ("4,846,525") or ("5,086,769") or ("5,087,095") or ("5,466,248") or ("5,947,561") or ("5,975,630"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 14:29 |
| S61 | 7 | ((("4,835,400") or ("4,846,525") or ("5,086,769") or ("5,087,095") or ("5,466,248") or ("5,947,561") or ("5,975,630"))).PN. | USPAT | OR | OFF | 2005/08/16 16:30 |
| S62 | 2 | ((("5372595") or ("5259380"))).PN. | USPAT | OR | OFF | 2005/08/16 16:31 |
| S63 | 1 | microoptic\$5 same (gaussian same distribution) | USPAT | OR | OFF | 2005/12/11 17:06 |
| S64 | 15 | (ghang\$5 ulter\$5 modif\$5) same (energy adj distribution\$1) same gaussian | USPAT | OR | OFF | 2005/12/11 17:14 |
| S65 | 0 | S64 and microoptic\$5 | USPAT | OR | OFF | 2005/12/11 17:15 |
| S66 | 255 | (ghang\$5 ulter\$5 modif\$5) same (energy adj distribution\$1) | USPAT | OR | OFF | 2005/12/11 17:14 |
| S67 | 3 | S66 and microoptic\$5 | USPAT | OR | OFF | 2005/12/11 17:15 |

| | 1 | Document ID | Title | Current OR |
|-----------|----------|--------------------|---|-------------------|
| 1 | X | US 5906608 A | Ablation apparatus | 606/5 |
| 2 | X | US 5336216 A | Apparatus for delivering a defocused laser beam having a sharp-edged cross-section | 606/4 |
| 3 | X | US 5350374 A | Topography feedback control system for photoablation | 606/5 |
| 4 | X | US 6280435 B1 | Method and systems for laser treatment of presbyopia using offset imaging | 606/5 |
| 5 | X | US 6210401 B1 | Method of, and apparatus for, surgery of the cornea | 606/12 |
| 6 | X | US 4911711 A | Sculpture apparatus for correcting curvature of the cornea | 606/5 |
| 7 | X | US 6537270 B1 | Medical hand piece for a laser radiation source | 606/17 |
| 8 | X | US 5463200 A | Marking of a workpiece by light energy | 219/121.68 |
| 9 | X | US 4652092 A | Neodymium-YAG laser, for ophthalmological treatment | |
| 10 | X | US 5423801 A | Laser corneal surgery | 606/5 |
| 11 | X | US 5800424 A | Apparatus for use in operating upon a cornea | 606/4 |
| 12 | X | US 6067312 A | Method for production of a DFB laser diode having a coupled optical waveguide and a DFB laser diode layer structure | 372/96 |
| 13 | X | US 6285001 B1 | Method and apparatus for step and repeat exposures | 219/121.72 |
| 14 | X | US 5475197 A | Process and apparatus for the ablation of a surface | 219/121.69 |
| 15 | X | WO 9920429 A1 | OBJECT FIGURING DEVICE | |
| 16 | X | US 5312320 A | Apparatus for performing ophthalmological surgery | 606/5 |
| 17 | X | US 5061342 A | Target domain profiling of target optical surfaces using excimer laser photoablation | 216/26 |

| | Inventor |
|----|------------------------------|
| 1 | Sumiya; Toshifumi et al. |
| 2 | Dewey; David A. |
| 3 | Smith; Robert F. |
| 4 | Odrich; Marc et al. |
| 5 | Lai; Shui T. |
| 6 | Telfair; William B. et al. |
| 7 | Elbrecht; Jens et al. |
| 8 | James; Douglas J. et al. |
| 9 | SCHROEDER, ECKHARD et al. |
| 10 | Marshall; John et al. |
| 11 | Sumiya; Toshifumi |
| 12 | Matz; Richard et al. |
| 13 | Fleming; Patrick R. et al. |
| 14 | Wrobel; Walter et al. |
| 15 | GODER, CLAUS et al. |
| 16 | L'Esperance, Jr.; Francis A. |
| 17 | Jones; William F. |

| | 1 | Document ID | Title | Current OR |
|----|---|---------------|---|------------|
| 18 | X | US 6086204 A | Methods and devices to design and fabricate surfaces on contact lenses and on corneal tissue that correct the eye's optical aberrations | 351/212 |
| 19 | X | US 6136012 A | Apparatus for operation on a cornea | 606/166 |
| 20 | X | US 6090100 A | Excimer laser system for correction of vision with reduced thermal effects | 606/5 |
| 21 | X | US 5284477 A | Device for correcting the shape of an object by laser treatment | 606/5 |
| 22 | X | US 6302877 B1 | Apparatus and method for performing presbyopia corrective surgery | 606/5 |
| 23 | X | US 5188631 A | Method for ophthalmological surgery | 606/5 |
| 24 | X | US 5000751 A | Apparatus for laser surgery and particularly for the keratotomy of the cornea (III) | |
| 25 | X | US 6331177 B1 | Multiple beam laser sculpting system and method | 606/5 |
| 26 | X | US 6623477 B1 | Medical instrument for phacoemulsification | 606/6 |
| 27 | X | US 6056739 A | Profiling the intensity distribution of optical beams | 606/5 |
| 28 | X | US 4941093 A | Surface erosion using lasers | 606/5 |
| 29 | X | US 6682524 B1 | Dermatological hand piece | 606/9 |
| 30 | X | US 6312424 B1 | Method of vision correction | 606/5 |
| 31 | X | US 5582752 A | Method and apparatus for applying laser beams to a working surface, particularly for ablating tissue | 219/121.85 |
| 32 | X | US 5550373 A | Fabry-Perot micro filter-detector | 250/338.1 |
| 33 | X | US 6120725 A | Method of forming a complex profile of uneven depressions in the surface of a workpiece by energy beam ablation | 264/400 |

| | Inventor |
|----|------------------------------|
| 18 | Magnante; Peter C. |
| 19 | Chayet; Arturo S. et al. |
| 20 | Hohla; Kristian |
| 21 | Hanna; Khalil et al. |
| 22 | Ruiz; Luis Antonio |
| 23 | L'Esperance, Jr.; Francis A. |
| 24 | SCHROEDER, ECKHARD et al. |
| 25 | Munnerlyn; Audrey et al. |
| 26 | Elbrecht; Jens et al. |
| 27 | Klopotek; Peter J. |
| 28 | Marshall; John et al. |
| 29 | Elbrecht; Jens et al. |
| 30 | Largent; James R. |
| 31 | Zair; Eliezer |
| 32 | Cole; Barrett E. et al. |
| 33 | Asahi; Nobuyuki et al. |

| | 1 | Document ID | Title | Current OR |
|----|---|---------------|---|------------|
| 34 | X | US 5146917 A | Fibre-optic apparatus for the photodynamic treatment of tumors | 607/89 |
| 35 | X | US 5219343 A | Apparatus for performing ophthalmogological surgery | 606/5 |
| 36 | X | US 6671095 B2 | Micro relief element and preparation thereof | 359/569 |
| 37 | X | US 5986788 A | Microoptical system for free-space optical interconnection and its setting method | 398/118 |
| 38 | X | US 5084883 A | Laser scanning system for use in laser imaging | 372/24 |
| 39 | X | US 5204773 A | Ultraviolet light filter and filter system | 359/361 |
| 40 | X | US 3699334 A | APPARATUS USING A BEAM OF POSITIVE IONS FOR CONTROLLED EROSION OF SURFACES | 250/492.2 |
| 41 | X | US 5231624 A | System and method using a reduce profile light beam for high density recording on optical media | 369/116 |

| | Inventor |
|-----------|------------------------------|
| 34 | Wagnieres; Georges et al. |
| 35 | L'Esperance, Jr.; Francis A. |
| 36 | Summersgill; Philip et al. |
| 37 | Sasaki; Hironori et al. |
| 38 | Khalid; Najeeb A. et al. |
| 39 | Guida; Renato |
| 40 | Cohen; Murray F. et al. |
| 41 | Finegan; Joel D. |